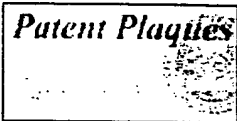




Credit Limit Fixed APR Apply Online  
 \$20,000 9.9% Submit



IPN Home | Search | Order | Shopping Cart | Login | Site Map | Help



## JP4367707A: NITROGEN OXIDES REMOVAL

[View Images \(1 pages\)](#)

Country: JP Japan  
 Inventor(s): *first last*  
 KUBO YUKIO  
 TAKAO SHOICHI  
 MASUYAMA KAZUO  
 MATSUO YOSHINOBU

Applicant(s): KAWASAKI HEAVY IND LTD



[News, Profiles, Stocks and More about this company](#)

Issued/Filed Dates: Dec. 21, 1992 / June 11, 1991

Application Number: JP1991000166496

IPC Class: B01D 053/34; B01J 020/08; B01J 020/34;

Abstract: **Purpose:** To remove NOx by drying a gas containing NOx in a low concentration of about 50ppm at the highest by using an adsorbent.

**Constitution:** A gas containing NOx in a low concentration is brought into contact with an activated alumina-based adsorbent containing 0.3-40wt.% of oxide of a least one element selected from sodium, potassium, magnesium, and calcium to adsorb and remove NOx and the adsorbent adsorbing NOx is treated with hot air at 150-600°C to regenerate it. The NOx removal becomes effective when 0.3-10wt.% of an oxide of at least one element selected from iron, copper, cobalt, nickel, and manganese is contained in the adsorbent.

COPYRIGHT: (C)1992,JPO&Japio

Foreign References: none

(No patents reference this one)



Alternative Searches



[Patent Number](#)



[Boolean Text](#)



[Advanced Text](#)

[N minute this invention](#)

[Browse](#)



**TDB**

[http://patent.womplex.ibm.com/details?pn=JP04367707A\\_](http://patent.womplex.ibm.com/details?pn=JP04367707A_)

2/23/00